

## US Doubler Installation Tips - 1/27/86

Outlined below are some of the problems and the solutions we have discovered for US Doubler installation.

### All 1050 Disk Drives

Experience has shown that more problems are created by unplugging the drive from the circuit board than we thought would be prevented. The recommended procedure now is to leave drive mechanism connected to the circuit board and to lift it up to access the board. Be especially careful not to damage the head lead wires which plug in at the front of the board. (You may wish to unplug this one connector for easier access.)

### Drives made in Singapore

As a rule, these drives will have a "no label U10" installed. If true then that is the type from ICD which should be installed. Remember, when the jumpers are installed at 1 and 3 you need a "no label U10"; when the jumpers are installed at 2 and 4 you need a U10 with the white paper label. There is no other difference between these two ICD chips other than the jumpers must be installed correctly for the respective U10.

A number of drives from Singapore have been discovered with "defective" sockets in the U8 position. These can be identified by the numbers "41000" and "MXS-nn" molded into the plastic (where "nn" represents a number like 12, 9, 15, etc.). These sockets have large ridges which hold the ICD U8 module out of the socket and prevent proper pin contact. If you find yourself with one of these sockets it is recommended that you send \$4.00 in an envelope addressed to ICD, Inc. Attn: U8 Socket. We will send a special socket adaptor which will allow simple installation.

NOTE: This adaptor socket is not needed with the majority of Singapore drives.

### Drives made in Hong Kong

All of these drives (we have seen so far) have the U10 with a paper label installed (jumpers at 2 and 4). Replace this with the paper labeled ICD U10 or else move the jumpers to 1 and 3. NOTE: ICD will send you the correct U10 for your drive as long as you send the old one back for an exchange rate of \$1.00. Send it to ICD, Inc. Attn: U10 Replacement.

### Dealer Information

If you are selling or installing a large number of US Doublers you may want to carry extra parts in inventory to help your customers. ICD U10s and adaptor sockets are available (direct from ICD only) to stocking dealers.